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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/686,057
Filing Date	October 31, 2003
First Named Inventor	Bultan et al.
Art Unit	2631
Examiner Name	Not Yet Known
Attorney Docket Number	I-2-0226.3US

Total Number of Pages in This Submission

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Supplemental Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance communication to Technology Center (TC)
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please Identify below):

Form PTO-1449 w/ a copy of the European Search Report dated 12/16/04 and copies of two (2) references

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	John C. Donch Jr. Reg. No. 43,593 Volpe and Koenig, P.C.
Signature	
Date	March 14, 2005

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	John C. Donch Jr.		
Signature		Date	March 14, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:	
Bultan et al.	
Application No.: 10/686,057	Our File: I-2-0226.3US
Confirmation No.: 7006	Date: March 14, 2005
Filed: October 13, 2003	
For: CODE TRACKING LOOP WITH AUTOMATIC POWER NORMALIZATION	
Group: 2631	
Examiner: Not Yet Known	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (*). Copies of the newly cited documents are enclosed.

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), a copy of the newly cited U.S. patent document has not been included.

Each newly cited item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Bultan et al.

By_____
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(215) 568-6400

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Philadelphia, PA 19103

JDC/ks
Enclosures (4)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0226.3US	SERIAL NO. 10/686,057
	APPLICANT Bultan et al.	
	FILING DATE October 14, 2003	GROUP 2631

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MAR 16 2005
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*	5,659,573	08/1997	Bruckert et al.			
		5,737,362	04/1998	Hyun et al.			
		5,768,323	06/1998	Kroeger et al.			
		5,832,023	11/1998	Latva-aho			
		6,201,828	03/2001	El-Tarhuni et al.			
		6,205,167	03/2001	Kamgar et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	*	2 349 555	11/2000	GB				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Gardner, "Interpolation in Digital Modems - Part I: Fundamentals," IEEE Transactions on Communications, Vol. 41, No. 3, March 1993, pp. 501-507.
		Erup et al., "Interpolation in Digital Modems - Part II: Implementation and Performance," IEEE Transactions on Communications, Vol. 41, No. 6, June 1993, pp. 998-1008.
		Lim et al., "Analysis of Decimator-Based Full-Digital Delay-Locked PN Code Tracking Loops for Bandlimited Didrect-Sequence Spread-Spectrum Signals in AWGN," IEICE Transactions on Communications, Vol. E00-A, No. 1, January 1998, pp. 1-9.
		3GPP, "UE Radio Transmission and Reception (FDD)," Technical Specification Group Radio Access Networks, 3G TS 25.101, V3.2.0 (2000-03), 1999.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0226.3US	SERIAL NO. 10/686,057
	APPLICANT Bultan et al.	
	FILING DATE	GROUP

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		Latva-aho et al., "Quasi-Coherent Delay-Locked Loops for Fading Channels."
		Holmes, "Coherent Spread Spectrum Systems," John Wiley and Sons, Inc., pp. 475-481 and pp. 80-81, New York, 1982.
		Su et al., "Performance of Combined DDLL and AGC Loop for Direct-Sequence Spread-Spectrum Systems," IEEE Transactions on Communications, Vol. 48, No. 9, pp. 1455-1458, September 2000.
	*	Kim, "Pseudonoise Code Tracking Loop for a CDMA System with Imperfect Power Control", International Journal of Communication Systems, Vol. 14, No. 4, May 1, 2001, pp. 419-430.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.